

central processing unit 27 and memory devices such as random access memory (RAM) and EPROMS for the system program storage and non-volatile memory for back-up data storage. Control module 26 may further include an isolation transformer 29 for converting an AC input voltage to a DC control system voltage and for maintaining leakage current within acceptable limits for medical devices. Other components within control module 26 may include power supply 167, input/output board 33 and a power inlet module 34, filtered pass through 34b for use with an external light intensity sensing device and filtered output pass through 34a.

2) On page 17, please replace the second full paragraph beginning at line 26 and bridging pages 17-18, with the following:

Light box 10 may include sensors for detecting different conditions during the pretreatment and treatment process. The sensors relay signals to the microprocessor of the light box 10 which is housed within control module 26. As shown for example in Fig. 14, sensors (e.g., 404, 430) send signals through the sensor input/output board 33 which translates the signal into a format that is understandable by microprocessor 160. The computer alerts the operator, either by an audible alarm or a message on the display screen 37. The operator may, in response to the alarm or message, take action through keypad 39. Alternatively, in response to

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cont certain alarm conditions, the control system may be preprogrammed to automatically take action, such as terminate treatment, if necessary.

3) On page 21, please replace the first paragraph beginning at line 1, with the following:

A3 As shown in Fig. 14A, radiometer 460 may include a support 465 having a top surface 467 and a bottom surface 468. Support 465 is typically a printed circuit board. One or more sensors 469 are electrically and physically connected to support 465.

4) On page 21, please replace the third paragraph beginning at line 21, with the following:

A4 An electrical cord (not shown) is attached to radiometer 460 for electrical connection to light box 10 and, for example, port 461 (Fig. 5). This allows radiometer 460 to transmit data to the computer-based control system of light box 10, which system provides information to the operator and/or automatically takes action based on the transmitted data. Radiometer 460 may also include a slit 472 for placement over tab 186 in tray 90 of light box 10.

5) On page 23, please replace the second full paragraph beginning at line 15, with the following:

The components of the fluid treatment module 28 including the agitator assembly, the light sources, the blower, the marker subassembly are powered by power supplies as shown in Fig. 14. (In Fig. 14, the letter "n" represents the number of electrical or mechanical components such as sensors, lamps, ballasts etc.). For example, power supplies (ballasts) 166 power lamps 100 and are controlled and supplied by relay board and isolation transformer 29. Shaker motor 92 is powered through relay board and isolation transformer 29. Additional power supply 168 supplies power for the blower 134, light drawer fans 109, and drive motors 120 for markers 76a-d and door lock 480. Preferably, the power supply for powering these components may be approximately 24 volts DC. Power supply 167 may supply +5, +12, -12 volts DC to, for example, computer board 160.

6) On page 33, please replace the second full paragraph beginning at line 28, with the following:

Once the containers are in their respective compartments of tray 90, fluid carrying drawer 50 is closed. As set forth above, plunger switch 36a (Fig. 4) is pressed when door 36 is closed. If